

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P531418

Luminaire Tested: **GLAN-SA6D-722-U-T3R-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531418  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA6D-722-U-T3R-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2200K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29438 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

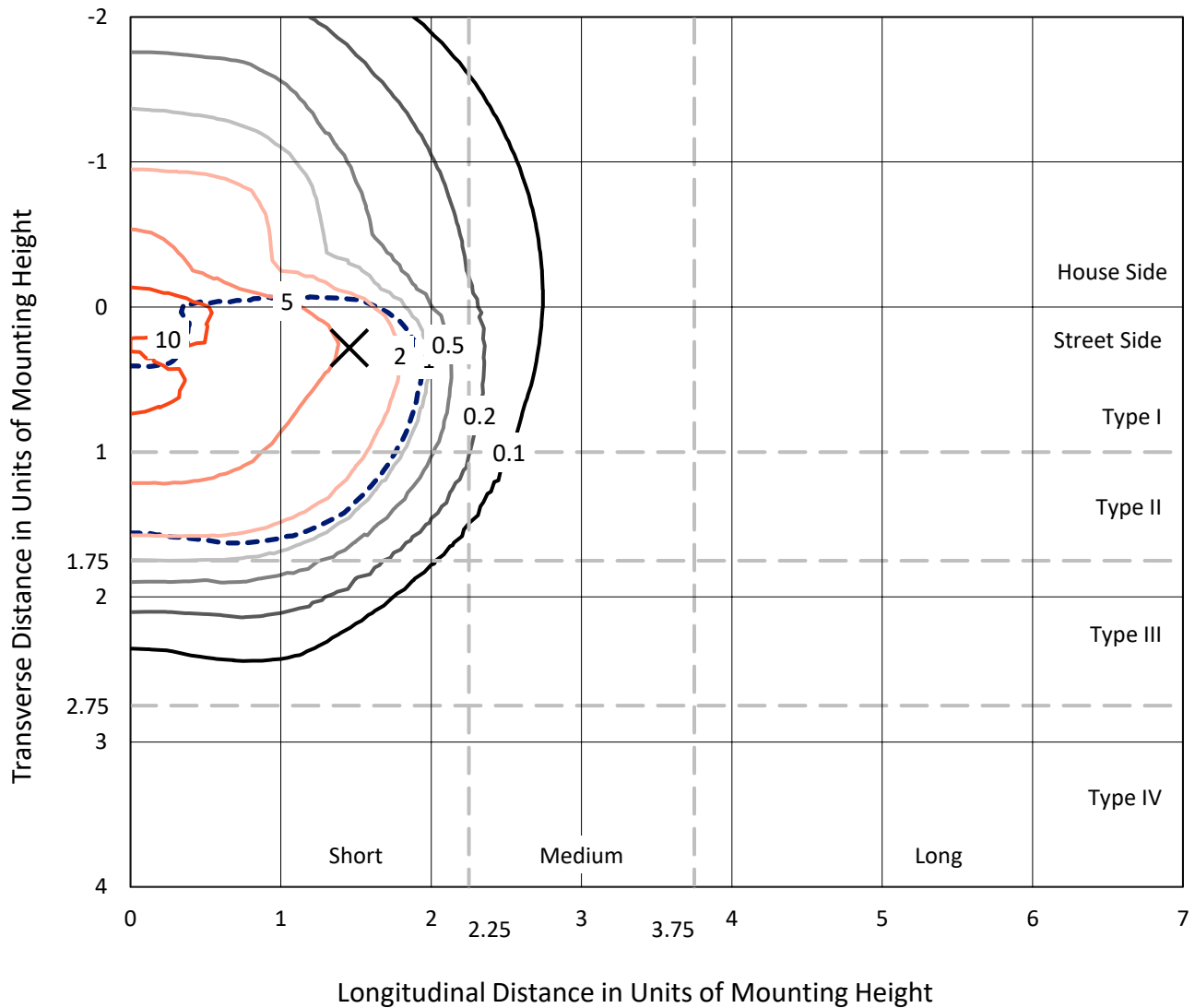
Input Watts (W): 368  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

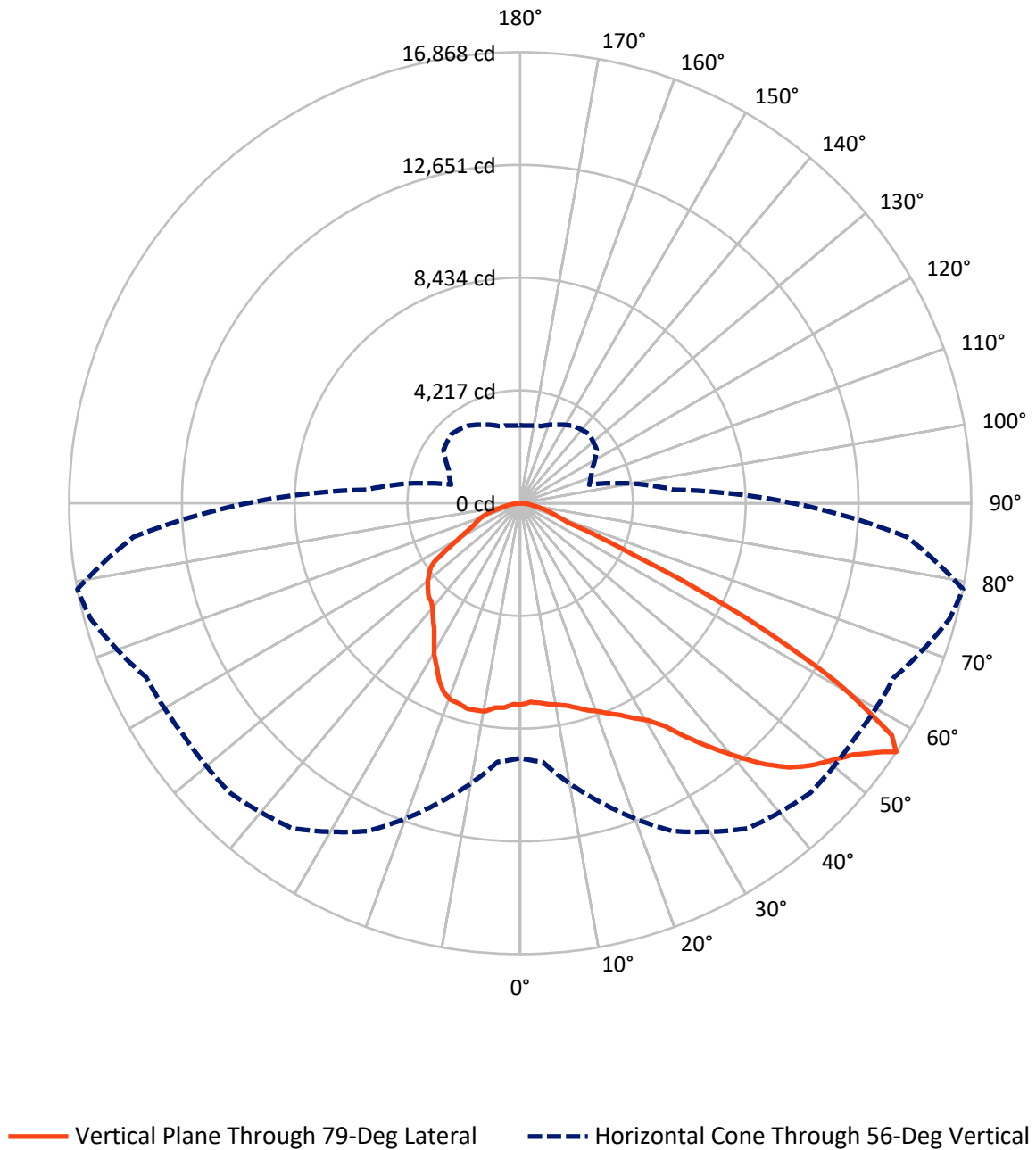
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc  
 Type II - Short - N/A

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## Luminous Intensity Polar Plot



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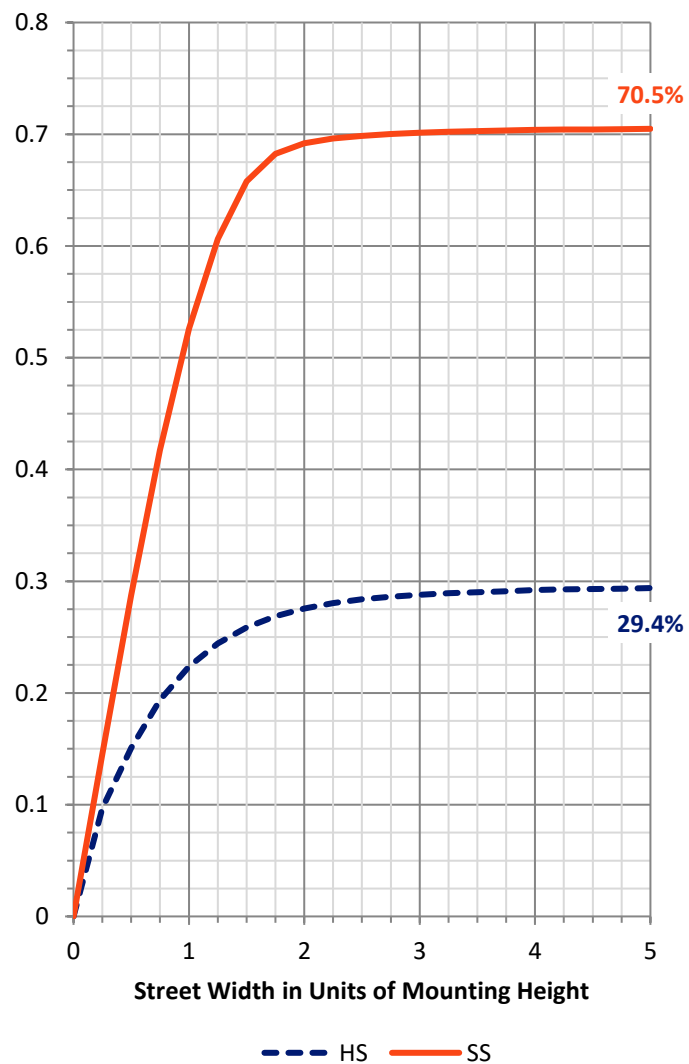
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8693.7   | 0.0    | 8693.7  |
|                    | % Fixture | 29.5     | 0.0    | 29.5    |
| <b>Street Side</b> | Lumens    | 20744.3  | 0.0    | 20744.3 |
|                    | % Fixture | 70.5     | 0.0    | 70.5    |
| <b>Total</b>       | Lumens    | 29438.0  | 0.0    | 29438.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 684.8   | 2.3       |
| 10°-20°   | 1874.1  | 6.4       |
| 20°-30°   | 3206.3  | 10.9      |
| 30°-40°   | 4914.0  | 16.7      |
| 40°-50°   | 6641.2  | 22.6      |
| 50°-60°   | 7627.7  | 25.9      |
| 60°-70°   | 3476.9  | 11.8      |
| 70°-80°   | 857.2   | 2.9       |
| 80°-90°   | 155.8   | 0.5       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 29438.0 | 100.0     |
| 0°-180°   | 29438.0 | 100.0     |

**Coefficient of Utilization**



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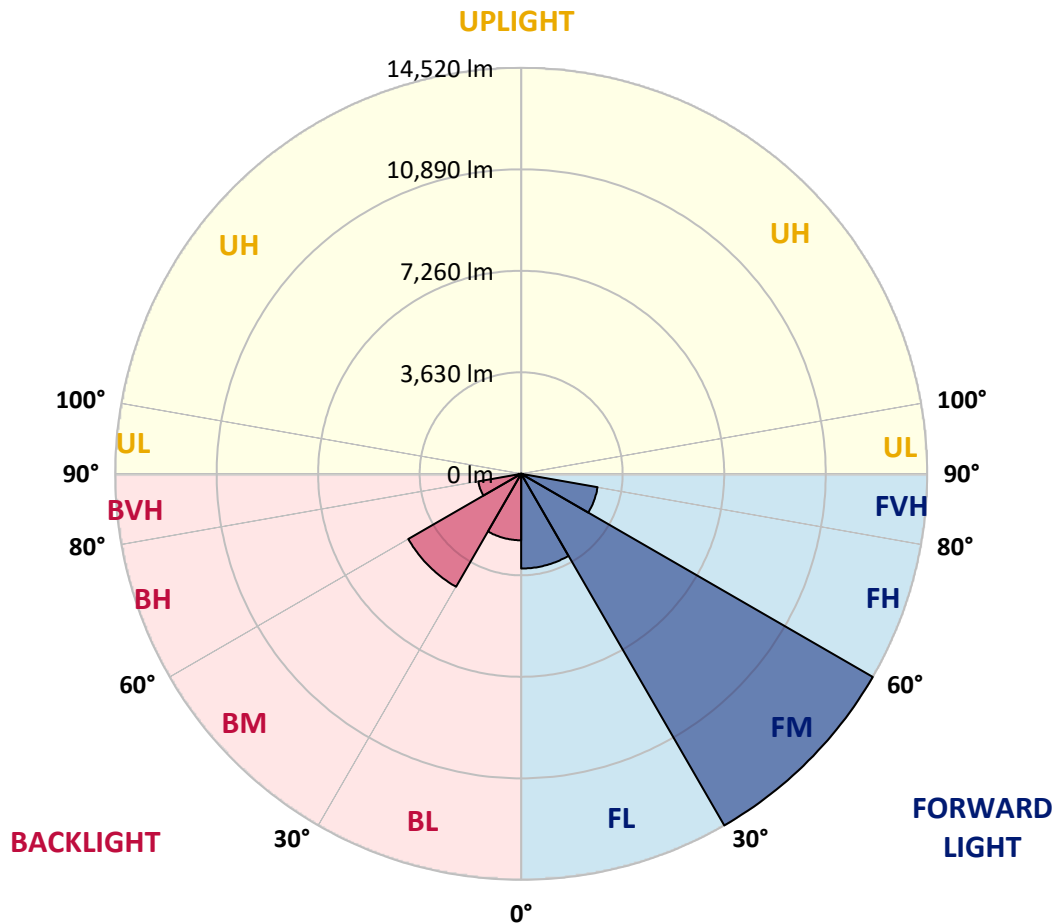
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3387.1  | 11.5      |                         |      |         |
| FM   | (30°-60°)   | 14519.7 | 49.3      |                         |      |         |
| FH   | (60°-80°)   | 2775.3  | 9.4       |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 62.2    | 0.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 2378.1  | 8.1       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4663.2  | 15.8      | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1558.8  | 5.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 93.6    | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 79°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 7532.0  | 7532.0  | 7532.0  | 7532.0  | 7532.0  | 7532.0  | 7532.0  | 7532.0  | 7532.0  | 7532.0  | 7532.0  |
| 2.5°  | 7165.3  | 7147.0  | 7191.0  | 7224.0  | 7264.3  | 7315.7  | 7341.3  | 7356.0  | 7484.3  | 7451.3  | 7550.4  |
| 5°    | 7011.3  | 6963.6  | 6996.6  | 7022.3  | 7092.0  | 7154.3  | 7224.0  | 7334.0  | 7451.3  | 7502.7  | 7623.7  |
| 7.5°  | 6875.6  | 6850.0  | 6842.6  | 6861.0  | 6956.3  | 7037.0  | 7158.0  | 7319.3  | 7510.0  | 7594.4  | 7664.0  |
| 10°   | 6651.9  | 6615.3  | 6670.3  | 6791.3  | 6817.0  | 6985.6  | 7125.0  | 7356.0  | 7521.0  | 7667.7  | 7873.0  |
| 12.5° | 6552.9  | 6516.3  | 6527.3  | 6596.9  | 6776.6  | 6938.0  | 7103.0  | 7363.3  | 7711.7  | 7770.4  | 8045.4  |
| 15°   | 6710.6  | 6673.9  | 6684.9  | 6666.6  | 6839.0  | 6923.3  | 7183.7  | 7510.0  | 7843.7  | 7942.7  | 8236.1  |
| 17.5° | 7070.0  | 7073.6  | 7026.0  | 6985.6  | 6945.3  | 7125.0  | 7304.7  | 7598.0  | 7895.1  | 8144.4  | 8364.4  |
| 20°   | 7755.7  | 7634.7  | 7539.4  | 7312.0  | 7249.7  | 7326.7  | 7554.0  | 7836.4  | 8104.1  | 8309.4  | 8558.8  |
| 22.5° | 8283.8  | 8294.8  | 8159.1  | 7785.0  | 7649.4  | 7682.4  | 7876.7  | 8107.7  | 8401.1  | 8547.8  | 8833.8  |
| 25°   | 9050.2  | 8973.1  | 8826.5  | 8529.4  | 8225.1  | 8250.8  | 8393.8  | 8602.8  | 8683.5  | 8786.1  | 9097.8  |
| 27.5° | 9750.6  | 9772.6  | 9482.9  | 9204.2  | 8826.5  | 8753.1  | 9009.8  | 9046.5  | 8910.8  | 9105.2  | 9211.5  |
| 30°   | 10462.0 | 10443.6 | 10252.9 | 9926.6  | 9556.2  | 9570.9  | 9684.5  | 9504.9  | 9317.8  | 9424.2  | 9497.5  |
| 32.5° | 11199.0 | 10990.0 | 10982.7 | 10689.3 | 10406.9 | 10271.3 | 10131.9 | 10219.9 | 9930.2  | 9952.2  | 9882.6  |
| 35°   | 11789.4 | 11818.7 | 11650.1 | 11441.0 | 11301.7 | 11063.3 | 10682.0 | 10839.7 | 10784.6 | 10759.0 | 10458.3 |
| 37.5° | 12218.4 | 12104.8 | 12189.1 | 12119.4 | 11987.4 | 11690.4 | 11294.4 | 11444.7 | 11470.4 | 11595.1 | 11246.7 |
| 40°   | 12570.5 | 12522.8 | 12746.5 | 12783.2 | 12691.5 | 12049.8 | 11338.4 | 11785.7 | 12170.8 | 12442.1 | 12027.8 |
| 42.5° | 12739.2 | 12841.8 | 13076.5 | 13358.9 | 13153.5 | 12467.8 | 11565.7 | 12046.1 | 12904.2 | 13333.2 | 12768.5 |
| 45°   | 12966.5 | 12834.5 | 13182.9 | 13699.9 | 13703.6 | 12819.8 | 11785.7 | 12398.1 | 13476.2 | 14099.6 | 13274.5 |
| 47.5° | 12735.5 | 12801.5 | 13160.9 | 13817.3 | 13985.9 | 13190.2 | 12379.8 | 12896.8 | 14106.9 | 14660.7 | 13743.9 |
| 50°   | 12218.4 | 12350.5 | 13006.8 | 13688.9 | 14198.6 | 13582.6 | 13061.9 | 13435.9 | 14690.0 | 15111.7 | 13820.9 |
| 52.5° | 11679.4 | 11752.7 | 12779.5 | 13787.9 | 14294.0 | 14088.6 | 13974.9 | 14180.3 | 15401.4 | 15621.4 | 13916.3 |
| 55°   | 10212.6 | 10561.0 | 12027.8 | 13743.9 | 14759.7 | 15001.7 | 14913.7 | 15214.4 | 16208.1 | 16428.2 | 14437.0 |
| 56°   | 9534.2  | 9717.6  | 11576.7 | 13538.6 | 14851.4 | 15335.4 | 15291.4 | 15427.1 | 16637.2 | 16868.2 | 14517.7 |
| 57.5° | 8280.1  | 8294.8  | 9871.6  | 12629.1 | 14506.7 | 15434.4 | 15390.4 | 15496.7 | 16552.8 | 16395.2 | 13809.9 |
| 60°   | 5181.5  | 5408.8  | 6717.9  | 9713.9  | 12335.8 | 14319.6 | 14569.0 | 13714.6 | 13956.6 | 13622.9 | 10744.3 |
| 62.5° | 2684.2  | 2651.2  | 3520.3  | 5680.2  | 8188.4  | 10252.9 | 10484.0 | 10443.6 | 10069.6 | 9581.9  | 7018.6  |
| 65°   | 1338.5  | 1345.8  | 1840.8  | 2812.6  | 4195.0  | 5368.5  | 6013.9  | 6083.6  | 5089.8  | 4682.8  | 3329.6  |
| 67.5° | 971.8   | 1008.4  | 1323.8  | 1719.8  | 1976.5  | 2211.2  | 2709.9  | 2658.6  | 2013.2  | 1914.2  | 1774.8  |
| 70°   | 755.4   | 788.4   | 1074.4  | 1312.8  | 1191.8  | 1191.8  | 1298.1  | 1342.1  | 1433.8  | 1474.1  | 1521.8  |
| 72.5° | 550.1   | 575.7   | 821.4   | 905.7   | 781.1   | 839.7   | 971.8   | 1074.4  | 1169.8  | 1184.4  | 1239.4  |
| 75°   | 377.7   | 399.7   | 539.0   | 498.7   | 469.4   | 579.4   | 711.4   | 806.7   | 876.4   | 913.1   | 946.1   |
| 77.5° | 245.7   | 253.0   | 308.0   | 260.4   | 300.7   | 374.0   | 462.0   | 542.7   | 612.4   | 641.7   | 649.1   |
| 80°   | 110.0   | 121.0   | 132.0   | 165.0   | 209.0   | 267.7   | 330.0   | 396.0   | 440.0   | 451.0   | 473.0   |
| 82.5° | 62.3    | 62.3    | 80.7    | 117.3   | 154.0   | 194.4   | 238.4   | 286.0   | 337.4   | 348.4   | 344.7   |
| 85°   | 33.0    | 33.0    | 47.7    | 69.7    | 95.3    | 113.7   | 110.0   | 113.7   | 121.0   | 139.3   | 135.7   |
| 87.5° | 11.0    | 11.0    | 14.7    | 14.7    | 18.3    | 22.0    | 18.3    | 25.7    | 33.0    | 33.0    | 33.0    |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

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**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 7532.0  | 7532.0 | 7532.0 | 7532.0 | 7532.0 | 7532.0 | 7532.0 | 7532.0 | 7532.0 | 7532.0 | 7532.0 |
| 2.5°  | 7521.0  | 7554.0 | 7510.0 | 7605.4 | 7605.4 | 7587.0 | 7495.3 | 7524.7 | 7546.7 | 7546.7 | 7565.0 |
| 5°    | 7664.0  | 7653.0 | 7682.4 | 7568.7 | 7499.0 | 7473.3 | 7323.0 | 7249.7 | 7187.3 | 7183.7 | 7128.6 |
| 7.5°  | 7744.7  | 7715.4 | 7704.4 | 7620.0 | 7312.0 | 7125.0 | 6802.3 | 6615.3 | 6574.9 | 6431.9 | 6486.9 |
| 10°   | 7873.0  | 7928.1 | 7873.0 | 7414.7 | 6985.6 | 6556.6 | 6241.2 | 5951.5 | 5837.9 | 5746.2 | 5691.2 |
| 12.5° | 8137.1  | 8111.4 | 7792.4 | 7172.7 | 6571.3 | 6061.6 | 5592.2 | 5287.8 | 5174.1 | 5093.5 | 5086.1 |
| 15°   | 8360.8  | 8232.4 | 7744.7 | 6791.3 | 5925.9 | 5383.2 | 4998.1 | 4781.8 | 4730.4 | 4737.8 | 4770.8 |
| 17.5° | 8437.8  | 8349.8 | 7495.3 | 6395.2 | 5445.5 | 4807.4 | 4627.8 | 4594.8 | 4642.4 | 4697.4 | 4712.1 |
| 20°   | 8558.8  | 8419.4 | 7392.7 | 5856.2 | 4851.4 | 4448.1 | 4437.1 | 4554.4 | 4642.4 | 4723.1 | 4734.1 |
| 22.5° | 8811.8  | 8459.8 | 7059.0 | 5346.5 | 4444.4 | 4341.7 | 4448.1 | 4547.1 | 4682.8 | 4748.8 | 4690.1 |
| 25°   | 8885.1  | 8371.8 | 6589.6 | 4734.1 | 4187.7 | 4275.7 | 4389.4 | 4525.1 | 4620.4 | 4657.1 | 4682.8 |
| 27.5° | 8947.5  | 8236.1 | 5955.2 | 4327.1 | 4107.0 | 4272.1 | 4389.4 | 4503.1 | 4554.4 | 4587.4 | 4616.8 |
| 30°   | 9123.5  | 8195.7 | 5405.2 | 4055.7 | 4055.7 | 4198.7 | 4349.1 | 4378.4 | 4448.1 | 4488.4 | 4539.7 |
| 32.5° | 9211.5  | 7917.1 | 4840.4 | 3883.4 | 4004.4 | 4235.4 | 4246.4 | 4301.4 | 4305.1 | 4338.1 | 4283.1 |
| 35°   | 9442.5  | 7719.0 | 4316.1 | 3758.7 | 4026.4 | 4198.7 | 4253.7 | 4220.7 | 4041.0 | 3953.0 | 3971.4 |
| 37.5° | 9611.2  | 7620.0 | 3938.4 | 3744.0 | 4030.0 | 4239.1 | 4268.4 | 4019.0 | 3832.0 | 3685.3 | 3722.0 |
| 40°   | 10065.9 | 7374.3 | 3652.3 | 3718.3 | 4063.0 | 4283.1 | 4202.4 | 3931.0 | 3593.7 | 3443.3 | 3417.6 |
| 42.5° | 10414.3 | 7198.3 | 3472.6 | 3689.0 | 4088.7 | 4345.4 | 4169.4 | 3755.0 | 3410.3 | 3271.0 | 3307.6 |
| 45°   | 10817.7 | 7158.0 | 3377.3 | 3696.3 | 4132.7 | 4378.4 | 4129.0 | 3619.3 | 3252.6 | 3197.6 | 3186.6 |
| 47.5° | 10960.7 | 6868.3 | 3274.6 | 3634.0 | 4121.7 | 4367.4 | 3993.4 | 3516.7 | 3194.0 | 3201.3 | 3230.6 |
| 50°   | 10722.3 | 6571.3 | 3197.6 | 3505.7 | 4048.4 | 4268.4 | 3780.7 | 3381.0 | 3161.0 | 3252.6 | 3304.0 |
| 52.5° | 10417.9 | 6266.9 | 3039.9 | 3333.3 | 3898.0 | 4114.4 | 3681.7 | 3373.6 | 3128.0 | 3098.6 | 3109.6 |
| 55°   | 10509.6 | 6017.5 | 2819.9 | 3098.6 | 3656.0 | 3828.3 | 3571.7 | 3304.0 | 3047.3 | 2937.3 | 2973.9 |
| 56°   | 10212.6 | 5760.9 | 2676.9 | 2951.9 | 3491.0 | 3645.0 | 3516.7 | 3241.6 | 2981.3 | 2907.9 | 2907.9 |
| 57.5° | 9372.9  | 4899.1 | 2489.9 | 2717.2 | 3142.6 | 3326.0 | 3410.3 | 3205.0 | 2907.9 | 2779.6 | 2783.3 |
| 60°   | 6912.3  | 3483.7 | 2233.2 | 2394.6 | 2603.6 | 2750.3 | 3142.6 | 3102.3 | 2724.6 | 2636.6 | 2603.6 |
| 62.5° | 4261.1  | 2544.9 | 2049.9 | 2112.2 | 2218.5 | 2339.5 | 2742.9 | 2808.9 | 2530.2 | 2434.9 | 2412.9 |
| 65°   | 2387.2  | 1947.2 | 1910.5 | 1936.2 | 1987.5 | 2049.9 | 2277.2 | 2423.9 | 2233.2 | 2086.5 | 2079.2 |
| 67.5° | 1745.5  | 1741.8 | 1771.2 | 1793.2 | 1815.2 | 1815.2 | 1870.2 | 1928.8 | 1903.2 | 1785.8 | 1774.8 |
| 70°   | 1551.1  | 1562.1 | 1584.1 | 1587.8 | 1595.1 | 1569.5 | 1525.5 | 1507.1 | 1536.5 | 1463.1 | 1448.5 |
| 72.5° | 1279.8  | 1316.5 | 1342.1 | 1345.8 | 1305.5 | 1272.4 | 1213.8 | 1151.4 | 1129.4 | 1114.8 | 1111.1 |
| 75°   | 982.8   | 1008.4 | 1019.4 | 1015.8 | 1001.1 | 953.4  | 883.7  | 821.4  | 781.1  | 737.1  | 759.1  |
| 77.5° | 663.7   | 700.4  | 718.7  | 718.7  | 696.7  | 623.4  | 590.4  | 542.7  | 502.4  | 454.7  | 462.0  |
| 80°   | 465.7   | 491.4  | 520.7  | 517.0  | 480.4  | 443.7  | 396.0  | 352.0  | 319.0  | 282.4  | 278.7  |
| 82.5° | 348.4   | 363.0  | 377.7  | 370.4  | 344.7  | 308.0  | 275.0  | 234.7  | 198.0  | 172.3  | 172.3  |
| 85°   | 124.7   | 135.7  | 165.0  | 172.3  | 187.0  | 187.0  | 157.7  | 132.0  | 106.3  | 88.0   | 88.0   |
| 87.5° | 36.7    | 36.7   | 40.3   | 40.3   | 36.7   | 40.3   | 33.0   | 36.7   | 40.3   | 25.7   | 25.7   |
| 90°   | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)